

XVII.—*Floræ Insularum Novæ Zelandiæ Precursor; or a Specimen of the Botany of the Islands of New Zealand.* By ALLAN CUNNINGHAM, Esq.

[Continued from p. 52.]

*Compositæ s. Synanthereæ.*

I. CICHORACEÆ, Lessing.

1. SCORZONERA, L. DC.

430. *S. ? scapigera* (Sol. MSS.) foliis lanceolatis retrorso-dentatis integerrimisve, caulibus gracilibus, scapo unifloro. *Forst. Prodr. n. 534*, absque descript.

New Zealand (Northern Island).—1769, *Sir Jos. Banks*. Among fern, on the hills, Bay of Islands.—1834, *R. Cunningham*.

Anne vere species hujus generis?

2. SONCHUS, L.

431. *S. oleraceus*. L. *Forst. Prodr. n. 282*. *A. Rich. Fl. Nov. Zel. p. 230*. *Engl. Bot. t. 843*.

*Pouro-rona*, Incol. *D'Urville*.

New Zealand, frequent on the northern and middle Islands.—1773: *Forster*.—1827, *D'Urville*.

3. PICRIS, L. Lessing.

432. *P. hieracioides*. L. *Willd. Sp. Pl. 3. p. 1556*. *Engl. Bot. t. 196*.

New Zealand (Northern Island). On the sea coast, near the Bay of Islands, rare.—1834, *R. Cunningham*.

433. *P. attenuata*, caule erecto glabriusculo vel tenuiter hispido, foliis elongato-lanceolatis attenuatis integerrimis strigosis, foliolis exterioribus involucri laxis.

New Zealand (Northern Island). On the hills, among fern, Bay of Islands.—1834, *R. Cunningham*.

II. VERNONIACEÆ, Lessing.

1. SHAWIA, *Forst.*

*Capitulum* uniflorum. *Pappus* biseriatus, setaceus, scaber. *Achenium* hirsutum, teres. *Involucrum* turbinatum, imbricatum.

434. *S. paniculata*. *Forst. Gen. 48. tab. 48. Prodr. n. 507. Lessing. Syn. Gen. Comp. p. 156*. *A. Rich. Fl. Nov. Zel. p. 243*.

New Zealand (Northern Island).—1769, Mercury Bay, *Sir Jos. Banks*.—(Middle Island) 1773, *G. Forster*.

*Obs.* *Caulis* arboreus, ramosus. *Folia* alterna, ovato-oblonga, petiolata, undulata, obtusa, supra viridia, glabra, subtus sordide albo-tomentosa, bipollicaria. *Paniculæ* terminales axillaresque compositæ, pedicelli uniflori, brevissimi. *Involucrum* imbricatum, cylindricum, foliolis 5—6 oblongis acutis, tribus interioribus longioribus subæqualibus. *Achenium* solitarium oblongum lanatum. *Pappus* pilosus, basi pubescens. (*Ex Forstero*.)

## III. ASTEROIDEÆ, Lessing. p. 161.

## 1. SOLIDAGO, L. Lessing.

435. *S. arborescens*, fruticoso-arborea, paniculis corymbosis erectis terminalibus, foliis ovato-oblongis basi attenuatis petiolatis glabris acutiusculis obtusisve repandis, subtus discoloribus, ramulis angulatis glabris (incanisve, Forst.). Forst. Prodr. n. 298. A. Rich. Fl. Nov. Zel. p. 252.

New Zealand (Northern Island). A tree 12—15 feet high, in dark humid woods on the Kana-Kana and Hokianga rivers.—1826, A. Cunningham (Middle Island).—1773, G. Forster.

## 2. LAGENOPHORA, Cassini, Lessing\*.

*Radius* uniserialis fœmineus. *Discus* hermaphroditus. *Achenium* plano-compressum, calvum, rostratum. Lessing.

436. *L. Fosteri*, foliis orbiculato-spathulatis crenato-serratis piloso-ciliatis petiolo (pollicari) duplo triplove brevioribus, foliolis involucri margine ciliatis, rostro achenio bifido. L. Commersonii, Cassini in Dict. Sc. Nat. xxv. p. 109. Lessing. p. 193. *Microcalia australis*. A. Rich. Fl. Nov. Zel. p. 230, tab. 30. *Calendula pumila*. Pers. Syn. Pl. 2. p. 492. Forst. Prodr. n. 305.

The daisy of New Zealand. *Tupu-tupu incolis* vulgo dicitur.

New Zealand (Middle Island).—1773, G. Forster. Astrolabe Bay.—1827, D'Urville (Northern Island).—1769, Sir Jos. Banks. Sloping shelves and in swamps on the shores of the Bay of Islands.—1826, A. Cunningham.—1834, R. Cunningham.

437. *L. lanata*, foliis obovato-oblongis obtusis undulatis dentatis, basi sensim angustatis utrinque villosis, foliolis involucri glabris membranaceis, rostro achenii.

New Zealand (Northern Island). Among fern, between the Waitangy and Keri-Keri rivers.—1834, R. Cunningham.

## 3. ASTER, L. Cass.?

438. *A.?* *holosericeus*. Forst. Prodr. n. 296. A. Rich. Fl. Nov. Zel. p. 248.

New Zealand (Middle Island). On mossy rocks, at Dusky Bay.—1773, G. Forster.

*Obs.* *Caules* herbacei, 4—5 pedales, erecti. *Folia* radicalia, spathulato-lanceolata, argute dentata seu subserrata, subtus argenteo-holosericea. *Capitulum* solitarium, terminale, amplitudine fere ac in *Astere Chinensi*, L. radiatum.

439. *A.?* *coriaceus*. Forst. Prodr. n. 297. A. Rich. Fl. Nov. Zel. p. 250.

New Zealand (Middle Island).—1773, G. Forster.

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\* The type of this genus, a native of Van Diemen's Land, may be thus characterized: *L. Billardieri*; foliis obovato-oblongis dentatis in petiolum attenuatis, undique pilosis, foliolis involucri glabris, rostro achenio integro leviter dilatato. L. Billardière. Cassini in Dict. Sc. Nat. xxv. p. 109.—Bellis stipitata. Labill. Nov. Hol. 2. p. 55. t. 205. Pers. Syn. 2. p. 460.

*Hab.* In Insula Van Diemen, 1792.—J. J. La Billardière.

*Obs.* Caulis herbaceus. Folia ovata, coriacea, integra, supra sulcata, subtus villosa. Scapus foliosus, uniflorus, lanuginosus.

“Cette espèce, fort voisine de la précédente, n'en est peut-être qu'une simple variété.” *A. Rich. l. cit.*

I have no means of ascertaining to what genus these species, if distinct from each other, belong, as Forster says but little of the real structure of the *achenium*, and nothing at all of the form of the *pappus*. They appear, however, to be species of *Calmisia*. *Cass.*

#### 4. HAXTONIA, *Caley. D. Don.*

*Involucrum* polyphyllum imbricatum. *Flosculi* radii fœminei ligulati, stigmatibus linearibus obtusis, sulco exaratis, margine incrassatis! *Disci* hermaphroditi. *Achenia* sulcato-angulata. *Pappi* radiis persistentibus, apice penicillatis! *D. Don.*

440. *H. furfuracea*, fruticosa, foliis ellipticis coriaceis petiolatis obtusis, margine undulatis integerrimis dentatisve, supra lævibus subtus argenteo-furfuraceis, corymbis terminalibus, “radiis ternis.”—*Aster furfuraceus. A. Rich. Fl. Nov. Zel. p. 246.*—*A. elongifolius. A. Cunn. Ms. 1826.*

*Tarata* Incolarum fluvii Thames. *D'Urville.*

New Zealand (Northern Island). Banks of rivers, at the Bay of Islands. 1826, *A. Cunningham.*—1834, *R. Cunningham.* River Thames.—1827, *D'Urville.*

*Obs.* Frutex 6—10 pedalis.

#### 5. VITTAELINIA, *A. Richard.*

*Capitula* radiata. *Involucrum* polyphyllum imbricatum. *Receptaculum* alveolatum. *Semiflosculi* exteriores fœminei longiores, revoluti; flosculi interiores hermaphroditi tubulosi, graciles. *Stamina* 5 libera; antheris linearibus, basi abrupte recurvatis. *Stigmata* duo linearia. *Achenium* teres basi stipitatum. *Pappus* sessilis, fimbriato-pilosus.

441. *V. australis. A. Rich. Fl. Nov. Zel. p. 251.*—*Brachycoma* spathulata. *Gaud. in Freye. Voy. p. 467.*

New Zealand (Northern Island).—1769, *Sir Jos. Banks.* (Middle Island.) On the sandy rocky shores of the French strait (Passe des Français). *Tasman's Bay.*—1827, *D'Urville.*

*Planta* ramosa, erectiuscula, subpilosa, 6—8 uncias alta. *Folia* obovatispathulata sub 5-loba, lobo terminali majore obtusa. *Capitula* terminalia solitaria. *Flores* radiati.

### IV. SENECONIDEÆ, *Lessing.*

#### 1. BIDENS, *L.*

442. *B. pilosa. L. Forst. Prodr. n. 283. A. Rich. Fl. Nov. Zel. p. 235.* *Koëriki* ab indigenis. *D'Urville.*—*Horikike* Incolarum secund. *R. Cunningham.*

New Zealand. Most frequent on cultivated ground, chiefly on the Northern Island. *G. Forster. D'Urville. R. Cunningham.*

#### 2. COTULA, *L. Lessing.*

*Capitulum*, heterogamum, floribus ♀ uniserialibus sæpe sterilibus in ambitu, reliquis ♂ fertilibus. *Achenium* calvum, flori fœmineo stipitatum, plano-compressum, flori hermaphrodito sessile et angustius,

443. *C. coronopifolia*. *L. Forst. Prodr. n. 300. A. Rich. Fl. Nov. Zel. p. 235.*

New Zealand.—1773, *G. Forster*.

3. MYRIOGYNE. *Linnæa*, vi. 219. *Lessing*.

*Capitulum* heterogamum, floribus ♀ pluriserialibus in ambitu, reliquis ♂.

*Achenium* angulatum, exalatum, calvum, conforme.

444. *M. minuta*, foliis subspathulatis parce serratis, basi sensim angustatis, capitulis minimis oppositifoliis. *Less. Syn. Compos. p. 266.*—*Cotula minuta. Forst. Prodr. 301. A. Rich. Fl. Nov. Zel. p. 235.*—*C. cuneifolia. Willd. Sp. Pl. 3. p. 2170.*—*Grangea minuta. Lamarck, Poiret, Dict. x. p. 825.*

New Zealand (Middle Island).—1773, *G. Forster*. (Northern Island.) Swampy ground at the Bay of Islands. *D'Urville.*—1834, *R. Cunningham*.

4. SOLIVA, *Ruiz & Pavon*.

(*Gymnostyles, Juss.*)

*Cor. florum* ♀ pluriserialium in ambitu filiformis persistens et cum ovario continua. *Achenium* apice truncatum bialatum, alis marginalibus. *Less. Syn. p. 268.*

445. *S. tenella*, repens stolonifera, foliis pinnatifidis, apice dilatatis pin-nato-lobatis, lobis oblongis incis. *is.*

New Zealand (Northern Island), on the margins of fresh-water streams.—1834, *R. Cunningham*.

Anne species distincta a *Gymnostyles anthemifolia, Juss.?*

5. CRASPIDIA, *Forst.*

(*CARTODIUM, Sol. Mss. RICHEA, Labill.*)

*Capitulum* circiter 5-florum. *Rachis* bracteolata. *Pappus* uniserialis, plumosus. *Achenium* erostre. *Less.*

446. *C. uniflora* (melius *Solandri*) foliis orbiculato-spathulatis glabris, margine albo lanuginoso fimbriatis. *Forst. Prodr. n. 386. Willd. Sp. Pl. 3. p. 2392. A. Rich. Fl. Nov. Zel. p. 245.*—*Cartodium, Sol. Mss.*

New Zealand (Middle Island).—1769, *Sir Jos. Banks*. Shores of Queen Charlotte's Sound, Cook's Strait.—1779, *G. Forster*.

Quid *Craspidia fimbriata* (*Forst. Mss. in Herb. Mus. Par. ex DC.*) in litt. e Nova Zelandia (conf. *Endl. in Ann. der Wien. Mus. Band 1. p. 109?*)

6. CASSINIA, *R. Br.*

*Involucrum* imbricatum, scariosum, pauciflorum. *Receptaculum* paleis distinctis squamis intimis involucri subsimilibus. *Flosculi* tubulosi vel omnes hermaphroditi vel paucissimi feminei angustiores in ambitu. *Antheræ* (inclusæ) basi bisetæ. *Stigmata* apice obtuso subtruncato hispidulo. *Pappus* pilosus seu penicillatus, persistens.

447. *C. leptophylla*, foliis lineari-lingulatis subter ramulisque incanis corymbis terminalibus, involucribus turbinatis. *Br. in Linn. Soc. Tr. 12. p. 126.*—*Calea leptophylla. Forst. Prodr. n. 287. Willd. Sp. Pl. 3. A. Rich. Fl. Nov. Zel. p. 234.*

New Zealand (Northern Island).—1769, *Sir Joseph Banks*. Sandy ridges on the shores of the Hokianga river.—1826, *A. Cunningham*. (Middle Island).—1773, *G. Forster*.

*Obs.* Upon further examination of the specimens gathered on the shores of the Hokianga river in 1826; and at that period considered an unpublished species of *Cassinia*, I am now disposed to view it as Forster's plant.

#### 7. OZOTHAMNUS, *R. Br.*

*Involucrum* imbricatum, scariosum, coloratum. *Receptaculum* epaleatum, glabrum. *Flosculi* (pauciores quam 20) tubulosi vel omnes hermaphroditi vel paucissimi, fœminei angustiores in ambitu. *Antheræ* (inclusæ) basi bisetæ. *Stigmata* apice obtuso subtruncato hispidulo.

*Pappus* sessilis, pilosus, nunc penicillatus, persistens.

448. *O. pinifolia* (*R. Br.*) foliis lanceolatis acerosis glabriusculis margine revolutis, corymbo terminalibus congestis, ramulis tomentosissimis.—*Calea pinifolia*. *Forst. Prodr. n. 288. Willd. Sp. Pl. 3. p. 1795. A. Rich. Fl. Nov. Zel. p. 234.*

New Zealand (Middle Island).—1773, *G. Forster*.

#### 8. HELICHRYSUM, *Persoon.*

449. *H. bellidioides*. *Pers. Syn. 2. p. 415. Willd. Sp. Pl. 3. p. 1911.—Xeranthemum bellidioides. Forst. Prodr. n. 293. A. Rich. Fl. Nov. Zel. p. 242.*

New Zealand (Middle Island), Cook's Strait.—1769, *Sir Jos. Banks*.—1773, *G. Forster*.

*Obs.* *Caulis* herbaceus, gracilis, ramosus, spithamæus, ramulis apice capitulo unico terminatis. *Folia* obovalia, obtusa, apice mucronata, amplexicaulia, superne viridia, subtus cano-tomentosa. Flores magnitudine *Bellii minuti*. *Involucrum* explanatum, foliolis interioribus longioribus linearibus albis externe ima basi tomentosissimis. *Receptaculum* planum, nudum.

#### 9. GNAPHALIUM, *R. Br.*

*Capitulum* multiflorum, floribus ♀ numerosis, pluriserialibus in ambitu.

*Pappus* pilosus, uniserialis, conformis. *Stylus* ♂ ramis apice solo penicillatis. *Achenium* erostre. *Rachis* tota ebracteolata.

450. *G. luteo-album*. *L. Willd. 3. p. 1871. A. Rich. Fl. Nov. Zel. p. 236. Endl. Prodr. Fl. Norf. p. 50. Engl. Bot. t. 1002.*

*Ponkatea*, incol. *D'Urville*.

New Zealand (Northern Island).—1769, *Sir Jos. Banks*. River Thames.—1827, *D. Urville*. Bay of Islands.—1833, *R. Cunningham*.

451. *G. simplex*, herbaceum, caule simplicissimo lanato, foliis inferioribus obtusis caulinis oblongo-linearibus subacutis integris utrinque albo-lanatis, floribus capitatis. *A. Rich. Fl. Nov. Zel. p. 237.*

*Pon-katea* vulgo dicitur. *D'Urville*.

New Zealand (Middle Island). Rocky shores of the harbour of L'Astrolabe.—1827, *D'Urville*. (Northern Island). Bay of Islands.—1834, *R. Cunningham*.

452. *G. lanatum*, herbaceum lanatum, foliis linearibus oblongis apice caloso-mucronatis, corymbis coarctatis, caule simplicissimo. *Forst. Prodr. n. 290. Willd. Sp. Pl. 3. Endl. Prodr. Fl. Norf. p. 50. A. Rich. Fl. Nov. Zel. p. 238.*

New Zealand (Middle Island). Astrolabe Harbour.—1827, *D'Urville*.—1773, *G. Forster*. (Northern Island.) On the hills near the Keri-Keri Mission Station.—1834, *R. Cunningham*.

453. *G. (Lasiopogon) involucratum*; herbaceum caule erecto simplici, foliis lineari-lanceolatis acutis, margine revolutis, supra parce subtus tomentoso-lanatis, capitulis axillaribus sessilibus ad ramulorum apices approximatis. *Endl. Prodr. Fl. Norf. p. 50. Forst. Prodr. n. 291. Willd. Sp. Pl. 3. A. Rich. Fl. Nov. Zel. p. 241.—Enchiton Fosteri, Cassini in Dict. Sc. Nat. lvi. p. 216.*

*Ponkatea* seu *Poaklimon*, incol. *D'Urville*.

New Zealand (Middle Island).—1773, *G. Forster*. Astrolabe Harbour.—1827, *D'Urville*. (Northern Island).—1769, *Sir Jos. Banks*. Bay of Islands.—1833, *Rich. Cunningham*.

454. *G. Keriense*, herbaceum, caule adscendente, foliis lineari-lanceolatis acutis enerviis sessilibus semiamplexicaulibus, margine revolutis, supra lævibus viridibus subtus albo-argenteis, pedunculis terminalibus lanatis, corymbo laxo.

New Zealand (Northern Island). In the vicinity of the falls of the Keri-Keri river. Bay of Islands.—1833, *R. Cunningham*.

455. *G. trinerve*, fruticosum, caule adscendente tereti lævi, foliis lanceolatis acutis sessilibus trinerviis supra glabris subtus albidis (lanugine explanata relucente) panicula corymbosa terminali laxa. *Forst. Prodr. n. 289. Willd. A. Rich. Fl. Nov. Zel. p. 239.*

New Zealand (Middle Island). Dusky Bay.—1773, *G. Forster*.—1791, *A. Menzies*.

#### 10. ARNICA, *Cassini*?

*Capitulum* radiatum. *Pappus* conformis, setaceus, uniserialis. *Stylus* disci ramis pube longa descendente obsessis truncatis aut cono brevi superatis. *Less.*

456. *A.?* *operina*. *Forst. Prodr. n. 299. Willd. A. Rich. Fl. Nov. Zel. p. 232.*

New Zealand (Middle Island). Dusky Bay.—1773, *G. Forster*.

*Obs. Caulis* fruticosus, orgyalis, diffuse ramosus, lævis. *Folia* conferta, spathulato-lanceolata, patentia, petiolata, acuta, profunde crenata, crenis apice cartilagineis luteis, supra glabra, viridia, trinervia, subtus albo-lanata, palmaria. *Pedunculi* solitarii, terminales, uniflori. *Flores* ampli, disco luteo. *Corollulæ* hermaphroditæ numerosæ in disco, fœmineæ plurimæ in radio, ligulatæ, ligula lanceolata 3-dentata.

An spec. *Gerberæ* Cass. (*Dict. Sc. Nat. xviii. p. 459*)?

#### 11. SENECIO, *L. Lessing. Syn. p. 391.*

*Capitulum* heterogamum, rarius homogamum. *Pappus* pluriserialis setaceus, caducus, rectus, subæqualis, conformis. *Stylus* ♀ ramis truncatis

apice solo penicillatis. *Achenium* erostre apterum, tertiusculum, glaberrimum seu hirsutiusculum.

457. *S. lautus* (*Sol. MS.*) corollis revolutis, foliis oblongo-lanceolatis petiolatis æqualiter serratis, summis integerrimis. *Forst. Prodr. n. 535. Willd. Sp. Pl. iii. p. 1981. A. Rich. Fl. Nov. Zel. p. 257.*

New Zealand.—1769, *Sir Jos. Banks.*

458. *S. australis*, foliis lanceolato-linearibus acutis glabris coriaceis integerrimis aut basi utrinque dente lineari auctis, floribus radiatis corymbosis, radio subreflexa. *A. Rich. in Sert. Astrolab. 131. t. 39. Willd. Sp. Pl. iii. p. 1981. A. Rich. Fl. Nov. Zel. p. 257.—S. angustifolius. Sol. Mss. Forst. Prodr. n. 539. non L.—S. dryadeus. Sieber, non L.*

New Zealand (Northern Island).—1769, *Sir Jos. Banks.*

459. *S. neglectus*, foliis subcarnosis amplexicaulibus pinnatifidis glabris aut pilosiusculis, segmentis plus minus profundis acutis, pedunculis paucifloris, radiis revolutis. *A. Rich. Fl. Nov. Zel. p. 258.*

New Zealand (Middle Island). Astrolabe Harbour.—1827, *D'Urville.*

466. *S. argutus*, caule stricto striato, foliis basi sagittatis lanceolatis argute serratis pinnatifidis subtus albidis supremis linearibus integris, floribus paniculatis, flosculis interioribus 5-dentatis. *A. Rich. Fl. Nov. Zel. p. 258. Endl. Prodr. Fl. Norf. p. 51. Sert. Astrolab. p. 104.*

*Pon-katea*, incol. *D'Urville.*

New Zealand (Middle Island). Pebbly shores of Astrolabe Harbour.—1827, *D'Urville.* (Northern Island.) Bay of Islands.—1834, *R. Cunninghamham.*

461. *S. quadridentata*, caule erecto striato niveo-tomentoso lanuginoso, foliis lineari-lanceolatis subacuminatis tomentosis integerrimis margine reflexis, floribus corymboso-paniculatis, flosculis hermaphroditis 4-dentatis. *Willd. Sp. Pl. iii. p. 1973. Labill. Nov. Holl. ii. p. 48. t. 194. A. Rich. Sert. Astrolab. p. 101.*

New Zealand (Northern Island). Sea coast near the Bay of Islands.—1834, *R. Cunninghamham.*

462. *S. hispidulus*, caule subsimplici, foliis lanceolato-linearibus acutis tuberculato-hispidulis, margine subrevolutis distanter at inæqualiter serratis, infra albido-pilosis, ina basi utrinque et approximate bidentatis, floribus parvulis corymbosis, flosculis 3—5-fidis, laciniis ovalibus acutis. *A. Rich. Sert. Astrolab. p. 92. t. 34.*

New Zealand (Northern Island). Among fern at Wangaroa.—1833, *R. Cunninghamham.*

## 12. BRACHYLOTTIS, *Forst. Char. Gen. 46. t. 46.*

*Capitulum* radiatum, radiis brevissimis recurvis tridentatis. *Pappus* densus plumosus caducus. *Achenium* erostre tertiusculum sulcatum.

463. *B. repanda*, paniculis decompositis divaricatis terminalibus, foliis elliptico-ovalibus petiolatis repando-sinuatis, supra lævibus, subtus albo-tomentosis, caule arboreo. *Forst. loc. cit.—Cineraria repanda. Forst. Prodr. n. 295. Willd. Sp. Pl. iii. p. 2076. A. Rich. Fl. Nov. Zel. p. 250.—C. dealbata. Sol. Mss. in Bibl. Banks.*

*Puka-Puka* or *Buka-buka*, indig. *R. Cunningham*.

New Zealand (Middle Island). Queen Charlotte's Sound.—1769, *Sir Jos. Banks*. (Northern Island.) River sides, Bay of Islands.—1826, *A. Cunningham*. Wangaroa.—1834, *R. Cunningham*.

*Obs.* Arbor 10—15 pedalis.

The natives call a letter or paper *Buka-Buka*, from the English word *book*, a quantity of paper bound together; so, where paper has been wanting to write a letter, the ample leaf of this plant has been used in New Zealand by Europeans, the white underside, even in its recent state, taking ink or diluted pigment extremely well; hence the modern name of the plant by the natives *Buka-Buka*!

464. *B. rotundifolia*, paniculis paucifloris foliis petiolatis ovato-subrotundis integerrimis subtus tomentosus. *Forst. Char. Gen. n. 2.*—*Cineraria rotundifolia*. *Forst. Prodr. n. 294. Willd. A. Rich. Fl. Nov. Zel. p. 254.*

New Zealand (Middle Island.) Dusky Bay.—1773, *G. Forster*.

465. *B. Rani*; paniculis ramosis multifloris terminalibus, foliis petiolatis lato-ellipticis acuminatis repando-serratis, supra glabris, subtus niveo-tomentosis, caule arboreo.

*Rani*, incol. *Rich. Cunningham*.

New Zealand (Northern Island). Banks of rivers, Bay of Islands, &c.—1834, *R. Cunningham*.

*Obs.* Arbor sæpe 3-orgyalis et ultra, ramosus; rami valde patentes. *Folia* alterna, elliptica, grosse serrata, subrepanda 2—4 pollicaria. *Petioli* patentes vix longitudine dimidii folii, supra canaliculati.

The plumose pappus, the short rays of the female florets, and the form of the achenium, appear sufficient to justify the separation of these plants from *Cineraria*, to which Forster referred them in his 'Prodromus', some years after he had published the genus *Brachyglottis*, which Persoon thinks ought perhaps (for the above reason) to be restored, although Forster's second view has been adopted by Willdenow. Lessing more recently, (1832) whose *Synopsis Compos.* appears now to be the text-book in this vast tribe of plants, considers them species of *Senecio*. He says, "Genus *Brachyglottis*, Forster's (pappo plumoso) *Jacobæa*, Thunb., generaque Cassiniana, *Grammarthion*, *Dorobæa*, *Obojæa* (*Senecionis* seu 2. L. radio revoluta), &c. non sunt separatu dignæ" ab *Senecione*.

[To be continued.]

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#### BIBLIOGRAPHICAL NOTICES.

*Illustrations of the Zoology of South Africa; consisting chiefly of Figures and Descriptions of the objects of Natural History collected during an Expedition into the interior of South Africa in the years 1834, 1835, and 1836, fitted out by the "Cape of Good Hope As-*